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Callous plane

Claims

- 10 1. Callous plane having a blade head (2) and a handle (3),
where the callous plane (1) has an underside facing the
body surface of a user when in working position, and an
upper side facing away from said underside, and where a
holding device (4) with a lower holding part (7) and an
15 upper holding part (9) is provided in the blade head (2),
in which a blade (5) can be held in such a manner that its
cutting edge (6) intended for use to shave off callous
skin is located on the underside of the callous plane (1),
c h a r a c t e r i s e d i n t h a t the lower holding
20 part (7) is permanently connected to the handle (3) and
displays an upward-pointing seat (8) for the blade (5),
and in that the upper holding part (9) holds the blade
tightly in the seat (8) with the help of a fixing device.
- 25 2. Callous plane according to Claim 1, c h a r a c t e r -
i s e d i n t h a t the underside of the blade head (2)
transitions smoothly from the lower holding part (7) into
the underside of the handle (3).
- 30 3. Callous plane according to Claim 1 or 2, c h a r a c -
t e r i s e d i n t h a t the lower holding part (7)
covers the entire underside of the held blade (5), apart
from a middle section of the cutting edge (6) intended for
use.
- 35 4. Callous plane according to one of Claims 1 to 3,

c h a r a c t e r i s e d i n t h a t t h e blade head (2) essentially covers the upper side of the held blade (5), apart from a middle section of the cutting edge (6) intended for use.

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5. Callous plane according to one of Claims 1 to 4, c h a r a c t e r i s e d i n t h a t t h e underside of the upper holding part (9) and the upper side of the lower holding part (7) display curved shapes running roughly parallel to each other, the neutral axis of which runs in a working direction (X) of the callous plane (1), such that the held blade is located between the holding parts (7, 9) under bending stress.

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15 6. Callous plane according to one of Claims 1 to 5, c h a r a c t e r i s e d i n t h a t t h e lower holding part (7) displays a blade opening (11), through which the cutting edge (6) of the blade (5) can be passed in such a way that at least a middle longitudinal section of the cutting edge (6) projects beyond the edge of the blade opening (11) on the underside of the lower holding part (7) by a small distance perpendicular to the working direction (X).

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25 7. Callous plane according to Claim 6, c h a r a c t e r i s e d i n t h a t t h e undersides of both holding parts (7, 9) are curved, where the bend radius of the underside of the lower holding part (7) is smaller than the bend radius of the underside of the upper holding part (9), at least in the area of the blade opening (11).

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8. Callous plane according to one of Claims 1 to 7, c h a r a c t e r i s e d i n t h a t t h e fixing device displays a guide device for inserting the blade (5) into the seat (8), and for inserting the two holding parts (7, 9) into each other.

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9. Callous plane according to Claim 8, characterised in that the guide device displays guide prongs (16) that are located at the corners of the seat (8) and extend upwards, where the held blade (5) and the upper holding part (9) laterally rest against the guide prongs (16).
10. Callous plane according to one of Claims 1 to 9, characterised in that the fixing device displays a tongue-and-groove guide, by means of which the upper holding part (9) can be guided over the lower holding part (7).
11. Callous plane according to Claim 10, characterised in that the tongue-and-groove guide displays a guide rail (33) and a guide groove (34) with a dovetail-type cross-section.
12. Callous plane according to one of Claims 1 to 11, characterised in that the fixing device displays snap-in means for snap-fitting the upper holding part (9) to the lower holding part (7).
13. Callous plane according to one of Claims 1 to 12, characterised in that a pressure hollow (20) is provided on the free end of the blade head (2) and on the upper side of the upper holding part (9).
14. Callous plane according to one of Claims 1 to 13, characterised in that a through-passage (22) for collecting and ejecting shaved-off callous skin particles is provided in the upper holding part (9), where the through-passage (22) is located above the blade opening (11) when in working position.

15. Callous plane according to one of Claims 1 to 14, characterised in that the handle (3) displays a handle part at its free end and a connecting section (24) at its end facing the blade head (2), where
5 an eyehole (28) leading from the upper side to the under-side is let into the connecting section (24) in order to give a view of the body surface of a user to be treated.
16. Callous plane according to Claim 15, characterised in that, for ergonomic adaptation, the handle part displays a section for the ball of the thumb (26) with convex padded grips (30) in its free end area and/or
10 a section for the fingers with a finger recess (29) on its end facing towards the connecting section (24).
17. Callous plane according to Claim 16, characterised in that the section for the fingers (25) displays a rectangular cross-sectional shape with finger recesses (29) provided on all sides.
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18. Callous plane according to one of Claims 1 to 17, characterised in that the callous plane (1) is made of plastic.
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